

# 计算机算法设计与分析

第 1 次作业

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# Problem 1

## Assignment Problem4 Solution

Algorithm 1 Algorithm	
$A, B$	▷ A is ..., B is ...
<b>Input:</b> $[C, D]$	▷ C is ..., D is ...
1: Initialize $A = -1, B = -1$ ;	
2: SUBFUNCTION(A,B)	
3: <b>if</b> A <b>then</b>	
4:     return C;	
5: <b>end if</b>	
6: <b>function</b> SUBFUNCTION(...)	▷ ... ..
7: <b>end function</b>	

### Subproblem Reduced Graph

以... 为例，查看图...。

### Proof of the correctness

要证明的循环不变量:

- Initialization:
- Maintenance:
- Termination:
- :
- Initialization:
- Maintenance:
- Termination:

### Analysis of Complexity

时间复杂度

$O(x)$ 。

空间复杂度